

10590404

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NEWS IPC8      For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:23:51 ON 29 OCT 2008

$\Rightarrow$

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=> FILE REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE<br>ENTRY | TOTAL<br>SESSION |
|----------------------|---------------------|------------------|
| FULL ESTIMATED COST  | 0.21                | 0.21             |

FILE 'REGISTRY' ENTERED AT 10:24:07 ON 29 OCT 2008  
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STRUCTURE FILE UPDATES: 28 OCT 2008 HIGHEST RN 1067631-14-4  
DICTIONARY FILE UPDATES: 28 OCT 2008 HIGHEST RN 1067631-14-4

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

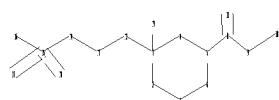
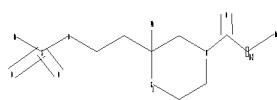
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

10590404

=>

Uploading C:\Program Files\Stnexp\Queries\10390404.str



chain nodes :

8 9 10 11 12 13 14 15 16 17 18 19

ring nodes :

1 2 3 4 5 6

chain bonds :

3-12 3-19 5-8 8-9 8-11 9-10 12-13 13-14 14-15 15-16 15-17 15-18

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 3-12 3-19 4-5 5-6 5-8 8-9 8-11 9-10 12-13 13-14 14-15  
15-16 15-17 15-18

isolated ring systems :

containing 1 :

G1:O,CH2

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS

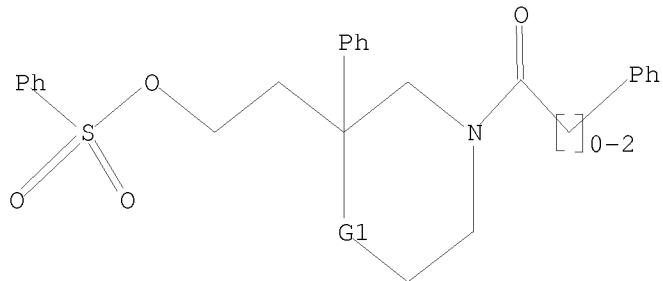
L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

10590404



G1 O,CH2

Structure attributes must be viewed using STN Express query preparation.

```
=> s 11
SAMPLE SEARCH INITIATED 10:24:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        4 TO ITERATE

100.0% PROCESSED      4 ITERATIONS          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:    4 TO      200
PROJECTED ANSWERS:       0 TO      0
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L2 0 SEA SSS SAM L1

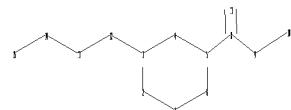
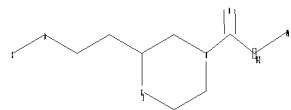
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=> s 11 sss full
FULL SEARCH INITIATED 10:24:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      54 TO ITERATE

100.0% PROCESSED      54 ITERATIONS         0 ANSWERS
SEARCH TIME: 00.00.01
```

L3 0 SEA SSS FUL L1

```
=>
Uploading C:\Program Files\Stnexp\Queries\10390404a.str
```

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chain nodes :  
8 9 10 11 12 13 14 15  
ring nodes :  
1 2 3 4 5 6  
chain bonds :  
3-12 5-8 8-9 8-11 9-10 12-13 13-14 14-15  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
exact/norm bonds :  
1-2 1-6 2-3 3-4 3-12 4-5 5-6 5-8 8-9 8-11 9-10 12-13 13-14 14-15  
isolated ring systems :  
containing 1 :

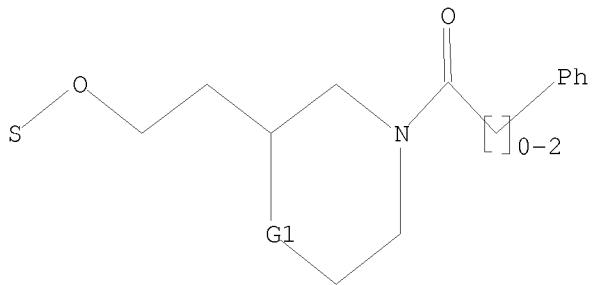
G1:O,CH2

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS

L4 STRUCTURE UPLOADED

=> d 14  
L4 HAS NO ANSWERS  
L4 STR

10590404



G1 O,CH2

Structure attributes must be viewed using STN Express query preparation.

=>

s 14  
SAMPLE SEARCH INITIATED 10:26:48 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 5 TO 234  
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 sss full  
FULL SEARCH INITIATED 10:26:54 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 90 TO ITERATE

100.0% PROCESSED 90 ITERATIONS 9 ANSWERS  
SEARCH TIME: 00.00.01

L6 9 SEA SSS FUL L4

=> FIL HCAPLUS  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
358.10 358.31

FILE 'HCAPLUS' ENTERED AT 10:27:03 ON 29 OCT 2008  
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FILE COVERS 1907 - 29 Oct 2008 VOL 149 ISS 18  
FILE LAST UPDATED: 28 Oct 2008 (20081028/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

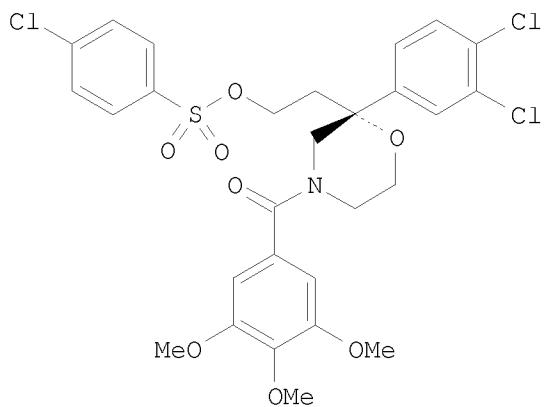
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16  
L7 7 L6

=> d 17 ibib abs hitstr tot

L7 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2006:11285 HCAPLUS  
DOCUMENT NUMBER: 144:108333  
TITLE: Process for preparation of morpholine derivatives and intermediates  
INVENTOR(S): Tomori, Hiroshi; Abe, Narumi; Susa, Kenji; Kobayashi, Keijiro; Takita, Takashi; Toriyama, Fumihiko  
PATENT ASSIGNEE(S): Sankyo Company, Limited, Japan  
SOURCE: PCT Int. Appl., 60 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND   | DATE       | APPLICATION NO. | DATE       |
|---|--|------------|-----------------|------------|
| WO 2006001326   | A1   | 20060105   | WO 2005-JP11514 | 20050623   |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |            |                 |            |
| JP 2006036760   | A  | 20060209   | JP 2005-183005  | 20050623   |
| PRIORITY APPLN. INFO.:  |  |            | JP 2004-186455  | A 20040624 |
| OTHER SOURCE(S):  | MARPAT   | 144:108333 |                 |            |
| GI  |  |            |                 |            |



AB Disclosed is a novel method for producing morpholine derivs. via cyclization. For example, the compound I was prepared in a multi-step synthesis in good yield. This invention provides a convenient method to prepare morpholine derivs. with industrial advantages.

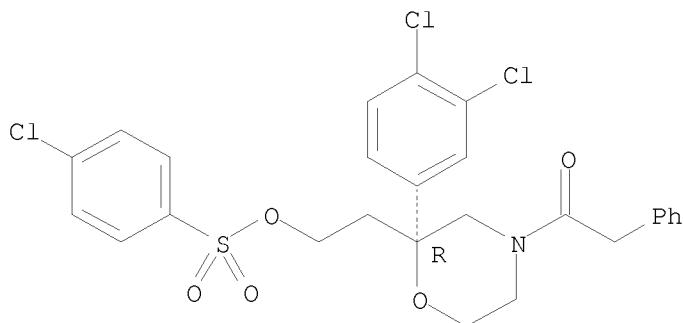
IT 872871-88-0P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
(preparation of morpholine derivs. and intermediates via cyclization)

RN 872871-88-0 HCPLUS

CN Benzenesulfonic acid, 4-chloro-, 2-[(2R)-2-(3,4-dichlorophenyl)-4-(2-phenylacetyl)-2-morpholinyl]ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:457067 HCPLUS

DOCUMENT NUMBER: 133:89533

TITLE: Method for preparing

(R)-(+)-3-[1-[2-[4-benzoyl-2-(3,4-difluorophenyl)morpholin-2-yl]ethyl]-4-phenylpiperidin-4-yl]-1,1-dimethylurea

INVENTOR(S): Aulombard, Alain; Bernon, Francoise; Bonnefoy,

PATENT ASSIGNEE(S): Sabrina; Burgos, Alain; Cabos, Claude; Lucas, Eric  
 Sanofi-Synthelabo, Fr.  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

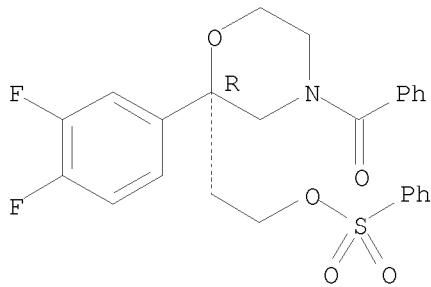
| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| WO 2000039126   | A1   | 20000706 | WO 1999-FR3123  | 19991214   |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,<br>CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,<br>IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,<br>MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,<br>SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW |      |          |                 |            |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,<br>DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,<br>CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |            |
| FR 2787790  | A1   | 20000630 | FR 1998-16410   | 19981223   |
| CA 2351539  | A1   | 20000706 | CA 1999-2351539 | 19991214   |
| EP 1140923  | A1   | 20011010 | EP 1999-958317  | 19991214   |
| EP 1140923  | B1   | 20030305 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO  |      |          |                 |            |
| JP 2002533462   | T    | 20021008 | JP 2000-591037  | 19991214   |
| JP 3388232  | B2   | 20030317 |                 |            |
| HU 2002001322   | A2   | 20021228 | HU 2002-1322    | 19991214   |
| AT 233759   | T    | 20030315 | AT 1999-958317  | 19991214   |
| US 6392039  | B1   | 20020521 | US 2001-868562  | 20010619   |
| MX 2001PA06465  | A    | 20020208 | MX 2001-PA6465  | 20010622   |
| PRIORITY APPLN. INFO.:  |      |          | FR 1998-16410   | A 19981223 |
|   |      |          | WO 1999-FR3123  | W 19991214 |

AB The title compound was prepared by dimethylcarbamoylation of (+)-[2-[2-(4-amino-4-phenylpiperidin-1-yl)ethyl]-2-(3,4-difluorophenyl)morpholin-4-yl]phenylmethanone.

IT 280766-21-4P  
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (method for preparing (R)-(+)-3-[1-[2-[4-benzoyl-2-(3,4-difluorophenyl)morpholin-2-yl]ethyl]-4-phenylpiperidin-4-yl]-1,1-dimethylurea)

RN 280766-21-4 HCPLUS  
 CN Methanone, [(2R)-2-(3,4-difluorophenyl)-2-[2-[(phenylsulfonyl)oxy]ethyl]-4-morpholinyl]phenyl- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 7 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:479024 HCPLUS  
 DOCUMENT NUMBER: 129:136173  
 ORIGINAL REFERENCE NO.: 129:27841a,27844a  
 TITLE: Preparation of heterocyclic compounds as tachykinin receptor ligands  
 INVENTOR(S): Emonds-Alt, Xavier; Grossriether, Isabelle; Gueule, Patrick; Proietto, Vincenzo; Van Broeck, Didier; Taillades, Joelle  
 PATENT ASSIGNEE(S): Sanofi, Fr.  
 SOURCE: U.S., 65 pp., Cont.-in-part of U.S. 5,641,777.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

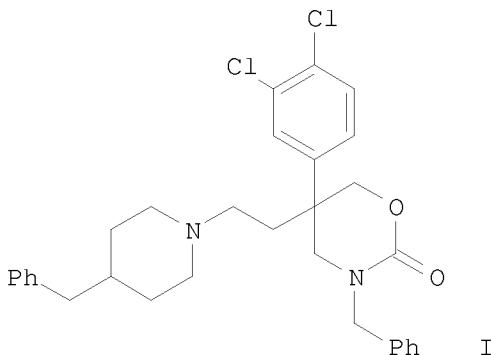
| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|--|------|----------|-----------------|----------|
| US 5780466   | A    | 19980714 | US 1996-703729  | 19960827 |
| FR 2729952   | A1   | 19960802 | FR 1995-1016    | 19950130 |
| FR 2729952   | B1   | 19970418 |                 |          |
| FR 2729953   | A1   | 19960802 | FR 1995-8046    | 19950704 |
| FR 2729953   | B1   | 19970801 |                 |          |
| FR 2729954   | A1   | 19960802 | FR 1995-13005   | 19951103 |
| FR 2729954   | B1   | 19970801 |                 |          |
| IN 186766  | A1   | 20011103 | IN 1996-DE169   | 19960125 |
| ZA 9600694   | A    | 19960826 | ZA 1996-694     | 19960130 |
| US 5641777   | A    | 19970624 | US 1996-593938  | 19960130 |
| JP 2001131171  | A    | 20010515 | JP 2000-342606  | 19960130 |
| JP 2001172279  | A    | 20010626 | JP 2000-342571  | 19960130 |
| EP 1156049   | A1   | 20011121 | EP 2001-119949  | 19960130 |
| EP 1156049   | B1   | 20050601 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV |      |          |                 |          |
| EP 1340754   | A1   | 20030903 | EP 2003-12771   | 19960130 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV |      |          |                 |          |
| IL 127114  | A    | 20040927 | IL 1996-127114  | 19960130 |
| EP 1688416   | A1   | 20060809 | EP 2006-5775    | 19960130 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,                   |      |          |                 |          |

| IE, SI, LT, LV   |    |                  |                  |          |
|--|----|------------------|------------------|----------|
| CN 1821241   | A  | 20060823         | CN 2006-10008868 | 19960130 |
| EP 1923391   | A1 | 20080521         | EP 2007-150446   | 19960130 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,<br>SE, LT, LV, SI |    |                  |                  |          |
| CN 101230008   | A  | 20080730         | CN 2007-10305915 | 19960130 |
| FR 2751654   | A1 | 19980130         | FR 1996-9439     | 19960726 |
| FR 2751654   | B1 | 19981023         |                  |          |
| US 5869663   | A  | 19990209         | US 1997-820716   | 19970318 |
| US 6011154   | A  | 20000104         | US 1998-4454     | 19980108 |
| HK 1041881   | A1 | 20050729         | HK 2002-103621   | 19980210 |
| US 5977359   | A  | 19991102         | US 1998-175332   | 19981020 |
| US 6242637   | B1 | 20010605         | US 1998-175331   | 19981020 |
| AU 9930133   | A  | 19990819         | AU 1999-30133    | 19990519 |
| AU 731788  | B2 | 20010405         |                  |          |
| JP 2002138088  | A  | 20020514         | JP 2001-339406   | 20011105 |
| JP 3943369   | B2 | 20070711         |                  |          |
| PRIORITY APPLN. INFO.:   |    |                  |                  |          |
|  |    | FR 1995-1016     | A                | 19950130 |
|  |    | FR 1995-8046     | A                | 19950704 |
|  |    | FR 1995-13005    | A                | 19951103 |
|  |    | US 1996-593938   | A2               | 19960130 |
|  |    | FR 1996-9439     | A                | 19960726 |
|  |    | AU 1996-46669    | A3               | 19960130 |
|  |    | CN 1996-191686   | A3               | 19960130 |
|  |    | CN 2003-10119883 | A3               | 19960130 |
|  |    | EP 1996-902305   | A3               | 19960130 |
|  |    | EP 2001-119949   | A3               | 19960130 |
|  |    | EP 2003-12771    | A3               | 19960130 |
|  |    | EP 2006-5775     | A3               | 19960130 |
|  |    | IL 1996-116957   | A3               | 19960130 |
|  |    | JP 1996-523308   | A3               | 19960130 |
|  |    | JP 2000-342571   | A3               | 19960130 |
|  |    | US 1996-703729   | A3               | 19960827 |
|  |    | US 1997-820716   | A3               | 19970318 |
|  |    | HK 1998-100995   | A                | 19980210 |

OTHER SOURCE(S):

MARPAT 129:136173

GI



AB R(CH<sub>2</sub>)<sub>m</sub>R<sub>1</sub>R<sub>2</sub>CH<sub>2</sub>NR<sub>3</sub>R<sub>4</sub> [R = 4-substituted piperidino, 1-alkyl- or 1-benzyl-4-substituted piperidinium-1-yl, aryl(methyl)pyridinium-1-yl,

etc.; R1 = (un)substituted Ph, -indolyl, -pyridyl, etc.; R2R3 = O2C, CH2O2C, OCO, OCH2CH2, NHCO, etc.; R4 = (hetero)aryl methyl, CPh2, CPh3, etc.; m = 2 or 3] were prepared. Thus, HOCH2CR1(CH2CH2OTHP)CH2NH2 (R1 = C6H3Cl2-3,4, THP = 2-tetrahydropyranyl) (preparation given) was cyclocondensed with COCl2 and the product converted in 4 steps to title compound I. Data for biol. activity of the title compds. were given.

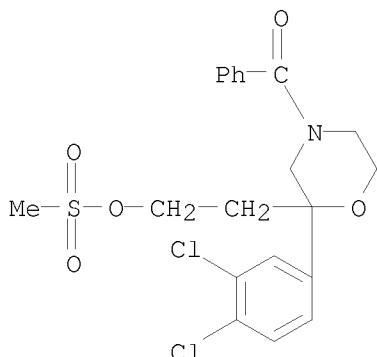
IT 181642-90-0P 181643-32-3P 181643-53-8P  
181643-56-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of heterocyclic compds. as tachykinin receptor ligands)

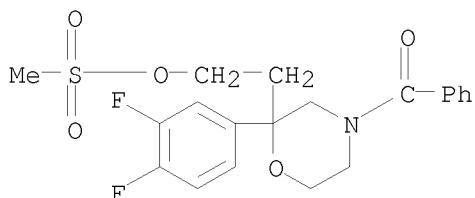
RN 181642-90-0 HCPLUS

CN Methanone, [2-(3,4-dichlorophenyl)-2-[2-[(methylsulfonyl)oxy]ethyl]-4-morpholinyl]phenyl- (CA INDEX NAME)



RN 181643-32-3 HCPLUS

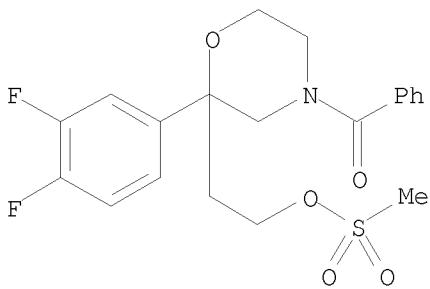
CN Methanone, [2-(3,4-difluorophenyl)-2-[2-[(methylsulfonyl)oxy]ethyl]-4-morpholinyl]phenyl- (CA INDEX NAME)



RN 181643-53-8 HCPLUS

CN 2-Morpholineethanol, 4-benzoyl-2-(3,4-difluorophenyl)-, methanesulfonate (ester), (-)- (9CI) (CA INDEX NAME)

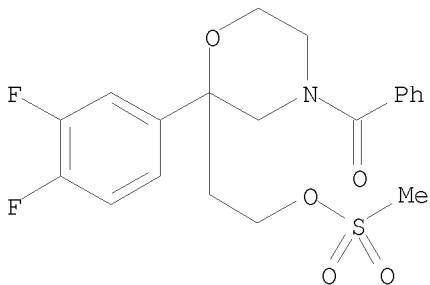
Rotation (-).



RN 181643-56-1 HCAPLUS

CN 2-Morpholineethanol, 4-benzoyl-2-(3,4-difluorophenyl)-, methanesulfonate (ester), (+)- (9CI) (CA INDEX NAME)

Rotation (+).



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:147329 HCAPLUS

DOCUMENT NUMBER: 128:205021

ORIGINAL REFERENCE NO.: 128:40555a, 40558a

TITLE: Preparation of quaternary ammonium compounds for use as tachykinin antagonists

INVENTOR(S): Monaghan, Sandra Marina; Alker, David; Burns, Christopher John

PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.

SOURCE: PCT Int. Appl., 121 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 9807722  | A1   | 19980226 | WO 1997-EP4414  | 19970811 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU |      |          |                 |          |

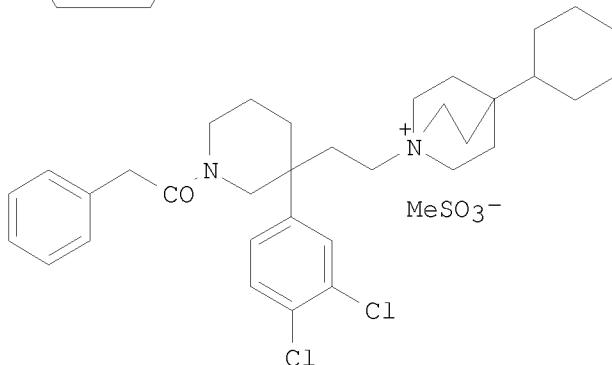
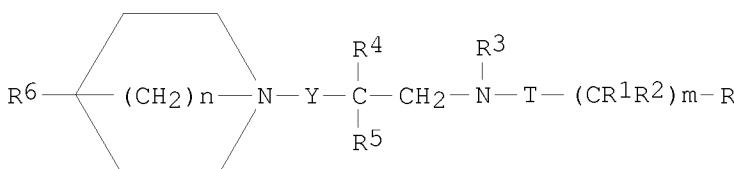
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,  
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 GN, ML, MR, NE, SN, TD, TG

AU 9740153 A 19980306 AU 1997-40153 19970811  
 IN 1997DE02317 A 20050311 IN 1997-DE2317 19970819

PRIORITY APPLN. INFO.: GB 1996-17730 A 19960823  
 WO 1997-EP4414 W 19970811

OTHER SOURCE(S): MARPAT 128:205021

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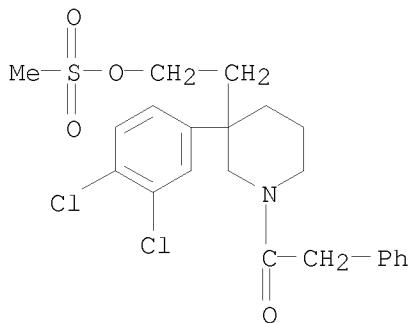
AB Quaternary ammonium bicyclic compds. I [R = Ph, cycloalkyl, heteroaryl; R1 = R2 = H alkyl; R1R2 = alkylene; R3 = R4 = H, alkyl; R3R4 = alkylene; R5 = Ph, naphthyl, benzyl, thiienyl, benzothenyl, indolyl; R6 = cycloalkyl; n = 1,2] were prepared for use as tachykinin receptor antagonists possibly useful for treatment of a variety of gastro-intestinal disorders. Thus, II was prepared from 4-cyclohexylquinuclidine and 3-(3,4-dichlorophenyl)-3-(2-methanesulfonyloxyethyl)-1-(phenylacetyl)piperidine. The prepared compds. were tested for NK1 and NK2 receptor antagonist activity.

IT 146395-83-7P, 3-(3,4-Dichlorophenyl)-3-(2-methanesulfonyloxyethyl)-1-(phenylacetyl)piperidine 203943-07-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of quaternary ammonium compds. for use as tachykinin antagonists)

RN 146395-83-7 HCPLUS

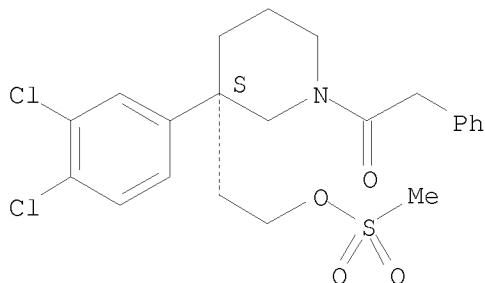
CN Ethanone, 1-[3-(3,4-dichlorophenyl)-3-[2-[(methylsulfonyl)oxy]ethyl]-1-piperidinyl]-2-phenyl- (CA INDEX NAME)



RN 203943-07-1 HCPLUS

CN Ethanone, 1-[(3S)-3-(3,4-dichlorophenyl)-3-[2-(methylsulfonyl)oxy]ethyl]-1-piperidinyl-2-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:564953 HCPLUS

DOCUMENT NUMBER: 127:161836

ORIGINAL REFERENCE NO.: 127:31375a, 31378a

TITLE: Preparation of 3-azetidinylalkylpiperidines or -pyrrolidines as tachykinin antagonists

INVENTOR(S): Mackenzie, Alexander Roderick; Marchington, Allan Patrick; Middleton, Donald Stuart; Meadows, Sandra Dora

PATENT ASSIGNEE(S): Meadows, Sandra Dora, UK; Pfizer Research and Development Company, N.V./S.A.; Pfizer Ltd.; Pfizer Inc.; Mackenzie, Alexander Roderick; Marchington, Allan Patrick; Middleton, Donald Stuart

SOURCE: PCT Int. Appl., 127 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

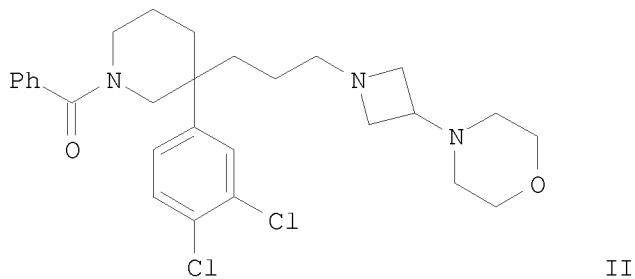
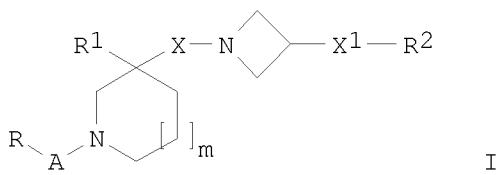
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE  | APPLICATION NO. | DATE  |
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|   |    |          |                  |             |
|---|----|----------|------------------|-------------|
| WO 9725322  | A1 | 19970717 | WO 1996-EP5613   | 19961209    |
| W: AU, BG, BR, BY, CA, CN, CZ, HU, IL, IS, JP, KR, KZ, LK, LV, MX,  |    |          |                  |             |
| NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, VN                  |    |          |                  |             |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, |    |          |                  |             |
| SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG          |    |          |                  |             |
| TW 472054   | B  | 20020111 | TW 1996-85115107 | 19961206    |
| CA 2237189  | A1 | 19970717 | CA 1996-2237189  | 19961209    |
| CA 2237189  | C  | 20020903 |                  |             |
| AU 9711950  | A  | 19970801 | AU 1997-11950    | 19961209    |
| AU 708282   | B2 | 19990729 |                  |             |
| EP 871623   | A1 | 19981021 | EP 1996-943119   | 19961209    |
| EP 871623   | B1 | 20030212 |                  |             |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,  |    |          |                  |             |
| SI, LV, FI, RO  |    |          |                  |             |
| CN 1207096  | A  | 19990203 | CN 1996-199510   | 19961209    |
| JP 11501667   | T  | 19990209 | JP 1997-520769   | 19961209    |
| JP 3123611  | B2 | 20010115 |                  |             |
| BR 9612412  | A  | 19990713 | BR 1996-12412    | 19961209    |
| HU 9903590  | A2 | 20000528 | HU 1999-3590     | 19961209    |
| HU 9903590  | A3 | 20020128 |                  |             |
| RU 2158264  | C2 | 20001027 | RU 1998-114667   | 19961209    |
| JP 2000344741   | A  | 20001212 | JP 2000-136658   | 19961209    |
| JP 3254205  | B2 | 20020204 |                  |             |
| IL 124309   | A  | 20021110 | IL 1996-124309   | 19961209    |
| AT 232526   | T  | 20030215 | AT 1996-943119   | 19961209    |
| PL 185723   | B1 | 20030731 | PL 1996-327665   | 19961209    |
| ES 2190486  | T3 | 20030801 | ES 1996-943119   | 19961209    |
| ZA 9700047  | A  | 19980703 | ZA 1997-47       | 19970103    |
| US 6242438  | B1 | 20010605 | US 1998-297736   | 19980601    |
| NO 9802651  | A  | 19980609 | NO 1998-2651     | 19980609    |
| NO 311838   | B1 | 20020204 |                  |             |
| PRIORITY APPLN. INFO.:  |    |          | GB 1996-235      | A 19960105  |
|   |    |          | JP 1997-520769   | A3 19961209 |
|   |    |          | WO 1996-EP5613   | W 19961209  |

OTHER SOURCE(S): MARPAT 127:161836  
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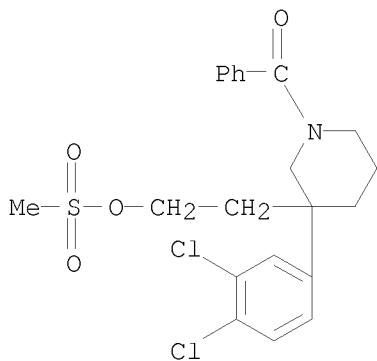
**AB** The title compds. [I; R = (un)substituted C3-7 cycloalkyl, aryl, C1-6 alkyl; A = CO, SO<sub>2</sub>; R<sub>1</sub> = Ph, PHCH<sub>2</sub>, naphthyl, etc.; R<sub>2</sub> = CO<sub>2</sub>H, CONR<sub>3</sub>R<sub>4</sub>, CONR<sub>5</sub>(C3-7 cycloalkyl), etc.; R<sub>3</sub>, R<sub>4</sub> = H, C1-4 alkyl; R<sub>5</sub> = H, C1-4 alkyl, C3-7 cycloalkyl-C1-4 alkyl; X = C1-4 alkylene; X<sub>1</sub> = a direct link, C1-6 alkylene; m = 0-2], useful for treating an inflammatory disease such as arthritis, psoriasis, asthma or inflammatory bowel disease, a CNS disorders such as anxiety, depression, dementia or psychosis, a gastrointestinal disorders such as Crohn's disease, an urogenital tract disorder, an allergy such as eczema, contact dermatitis or rhinitis, a hypersensitivity disorder such as poison ivy, peripheral neuropathy such as neuralgia, or acute or chronic pain, were prepared. Thus, reaction of 1-benzoyl-3-(3,4-dichlorophenyl)-3-(2-formylethyl)piperidine with 3-morpholinoazetidine.2HCl in the presence of Et<sub>3</sub>N in THF followed by addition of sodium triacetoxyborohydride and AcOH afforded the title compound II. Compds. I are effective at 0.5-5 mg/kg/day.

**IT** 193755-78-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of 3-azetidinylalkylpiperidines or -pyrrolidines as tachykinin antagonists)

**RN** 193755-78-1 HCPLUS

**CN** Methanone, [3-(3,4-dichlorophenyl)-3-[2-[(methylsulfonyl)oxy]ethyl]-1-piperidinyl]phenyl- (CA INDEX NAME)



L7 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:596130 HCAPLUS

DOCUMENT NUMBER: 125:247839

ORIGINAL REFERENCE NO.: 125:46332h, 46333a

TITLE: Preparation of substituted heterocyclic compounds as neurokinin receptor antagonists

INVENTOR(S): Emonds-Alt, Xavier; Grossriether, Isabelle; Gueule, Patrick; Proietto, Vincenzo; Van Broeck, Didier

PATENT ASSIGNEE(S): Sanofi, Fr.

SOURCE: PCT Int. Appl., 176 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 3

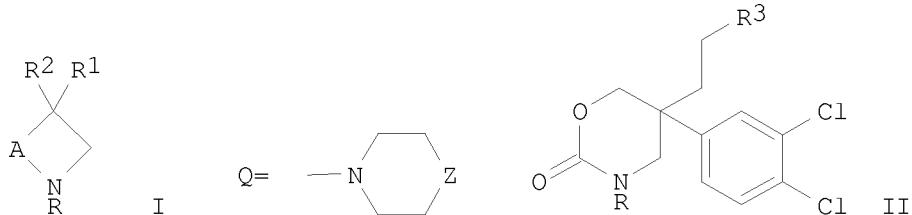
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 9623787  | A1   | 19960808 | WO 1996-FR152   | 19960130 |
| W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI |      |          |                 |          |
| RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN  |      |          |                 |          |
| FR 2729952  | A1   | 19960802 | FR 1995-1016    | 19950130 |
| FR 2729952  | B1   | 19970418 |                 |          |
| FR 2729953  | A1   | 19960802 | FR 1995-8046    | 19950704 |
| FR 2729953  | B1   | 19970801 |                 |          |
| FR 2729954  | A1   | 19960802 | FR 1995-13005   | 19951103 |
| FR 2729954  | B1   | 19970801 |                 |          |
| IN 186766   | A1   | 20011103 | IN 1996-DE169   | 19960125 |
| CA 2211668  | A1   | 19960808 | CA 1996-2211668 | 19960130 |
| CA 2211668  | C    | 20050920 |                 |          |
| AU 9646669  | A    | 19960821 | AU 1996-46669   | 19960130 |
| AU 707901   | B2   | 19990722 |                 |          |
| ZA 9600694  | A    | 19960826 | ZA 1996-694     | 19960130 |
| EP 807111   | A1   | 19971119 | EP 1996-902305  | 19960130 |
| EP 807111   | B1   | 20020814 |                 |          |

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| CN 1172483   | A  | 19980204 | CN 1996-191686   | 19960130   |
| CN 1089764   | C  | 20020828 |                  |            |
| IL 116957  | A  | 19990620 | IL 1996-116957   | 19960130   |
| JP 11507324  | T  | 19990629 | JP 1996-523308   | 19960130   |
| JP 3234228   | B2 | 20011204 |                  |            |
| HU 9800295   | A2 | 19991028 | HU 1998-295      | 19960130   |
| HU 9800295   | A3 | 20000228 |                  |            |
| NZ 301285  | A  | 20000128 | NZ 1996-301285   | 19960130   |
| RU 2157807   | C2 | 20001020 | RU 1997-114938   | 19960130   |
| JP 2001131171  | A  | 20010515 | JP 2000-342606   | 19960130   |
| JP 2001172279  | A  | 20010626 | JP 2000-342571   | 19960130   |
| EP 1156049   | A1 | 20011121 | EP 2001-119949   | 19960130   |
| EP 1156049   | B1 | 20050601 |                  |            |
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| AT 222251  | T  | 20020815 | AT 1996-902305   | 19960130   |
| PT 807111  | T  | 20021231 | PT 1996-902305   | 19960130   |
| ES 2181866   | T3 | 20030301 | ES 1996-902305   | 19960130   |
| EP 1340754   | A1 | 20030903 | EP 2003-12771    | 19960130   |
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| CZ 293134  | B6 | 20040218 | CZ 1997-2436     | 19960130   |
| CN 1502612   | A  | 20040609 | CN 2003-10119883 | 19960130   |
| CN 1293063   | C  | 20070103 |                  |            |
| IL 127114  | A  | 20040927 | IL 1996-127114   | 19960130   |
| CZ 294267  | B6 | 20041110 | CZ 2002-2243     | 19960130   |
| AT 296823  | T  | 20050615 | AT 2001-119949   | 19960130   |
| CN 1636983   | A  | 20050713 | CN 2004-10092931 | 19960130   |
| CN 1295221   | C  | 20070117 |                  |            |
| PT 1156049   | T  | 20051031 | PT 2001-119949   | 19960130   |
| ES 2243373   | T3 | 20051201 | ES 2001-119949   | 19960130   |
| EP 1688416   | A1 | 20060809 | EP 2006-5775     | 19960130   |
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| CN 1821241   | A  | 20060823 | CN 2006-10008868 | 19960130   |
| PL 192164  | B1 | 20060929 | PL 1996-321640   | 19960130   |
| EP 1923391   | A1 | 20080521 | EP 2007-150446   | 19960130   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,<br>SE, LT, LV, SI |    |          |                  |            |
| CN 101230008   | A  | 20080730 | CN 2007-10305915 | 19960130   |
| FI 9703148   | A  | 19970929 | FI 1997-3148     | 19970729   |
| NO 9703479   | A  | 19970929 | NO 1997-3479     | 19970729   |
| NO 308795  | B1 | 20001030 |                  |            |
| HK 1041881   | A1 | 20050729 | HK 2002-103621   | 19980210   |
| US 5977359   | A  | 19991102 | US 1998-175332   | 19981020   |
| US 6242637   | B1 | 20010605 | US 1998-175331   | 19981020   |
| AU 9930133   | A  | 19990819 | AU 1999-30133    | 19990519   |
| AU 731788  | B2 | 20010405 |                  |            |
| CN 1321634   | A  | 20011114 | CN 2001-116340   | 20010411   |
| CN 1136188   | C  | 20040128 |                  |            |
| CN 1321639   | A  | 20011114 | CN 2001-116341   | 20010411   |
| JP 2002138088  | A  | 20020514 | JP 2001-339406   | 20011105   |
| JP 3943369   | B2 | 20070711 |                  |            |
| CN 1394855   | A  | 20030205 | CN 2001-143103   | 20011207   |
| PRIORITY APPLN. INFO.:   |    |          | FR 1995-1016     | A 19950130 |

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| FR | 1995-8046     | A  | 19950704 |
| FR | 1995-13005    | A  | 19951103 |
| AU | 1996-46669    | A3 | 19960130 |
| CN | 1996-191686   | A3 | 19960130 |
| CN | 2003-10119883 | A3 | 19960130 |
| EP | 1996-902305   | A3 | 19960130 |
| EP | 2001-119949   | A3 | 19960130 |
| EP | 2003-12771    | A3 | 19960130 |
| EP | 2006-5775     | A3 | 19960130 |
| IL | 1996-116957   | A3 | 19960130 |
| JP | 1996-523308   | A3 | 19960130 |
| JP | 2000-342571   | A3 | 19960130 |
| US | 1996-593938   | A3 | 19960130 |
| WO | 1996-FR152    | W  | 19960130 |
| US | 1997-820716   | A3 | 19970318 |
| HK | 1998-100995   | A  | 19980210 |

OTHER SOURCE(S): MARPAT 125:247839  
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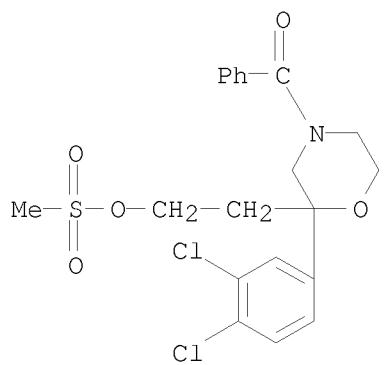
AB Title compd. [I; A = OCO, CH<sub>2</sub>OCO, NHCO, OCH<sub>2</sub>, etc.; R = (hetero) arylmethyl(carbonyl), CHPh<sub>2</sub>, etc.; R<sub>1</sub> = (un)substituted Ph, naphthyl, benzothienyl, etc.; R<sub>2</sub> = (CH<sub>2</sub>)<sub>m</sub>R<sub>3</sub>; R<sub>3</sub> = e.g., heterocyclic group Q; Z = (hetero)arylimino- or methylmethine, etc.; m = 2 or 3] were prepared. Thus, 3,4-C<sub>12</sub>C<sub>6</sub>H<sub>3</sub>CH<sub>2</sub>CN was alkylated by BrCH<sub>2</sub>CH<sub>2</sub>R<sub>3</sub> (R<sub>3</sub> = 2-tetrahydropyranloxy) and the product converted in 2 steps to 3,4-C<sub>12</sub>C<sub>6</sub>H<sub>3</sub>C(CN)(CH<sub>2</sub>OH)CH<sub>2</sub>CH<sub>2</sub>R<sub>3</sub> (R<sub>3</sub> as above) which was cyclocondensed with COCl<sub>2</sub> to give, in 2 addnl. steps, oxazinone II (R = CH<sub>2</sub>Ph) (III; R<sub>3</sub> = OSO<sub>2</sub>Me). The latter was aminated by 4-benzylpiperidine to give III (R<sub>3</sub> = 4-benzylpiperidino). I had Ki of <10<sup>-8</sup>M for tachykinin receptors in vitro.

IT 181642-90-0P 181643-32-3P 181643-53-8P  
181643-56-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of substituted heterocyclic compds. as neurokinin receptor antagonists)

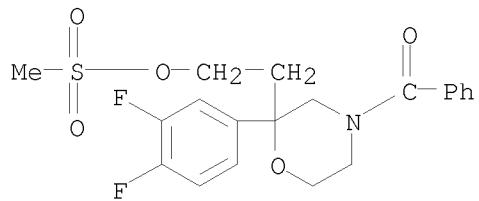
BN 181643 80 0 HCAPLUS

RN 181642-90-0 HCAFPLUS  
CN Methanone, [2-(3,4-dichlorophenyl)-2-[2-[(methylsulfonyl)oxy]ethyl]-4-morpholinyl]phenyl- (CA INDEX NAME)



RN 181643-32-3 HCAPLUS

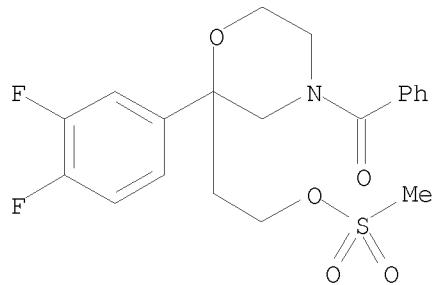
CN Methanone, [2-(3,4-difluorophenyl)-2-[2-[(methylsulfonyl)oxy]ethyl]-4-morpholinyl]phenyl- (CA INDEX NAME)



RN 181643-53-8 HCAPLUS

CN 2-Morpholineethanol, 4-benzoyl-2-(3,4-difluorophenyl)-, methanesulfonate (ester), (-) - (9CI) (CA INDEX NAME)

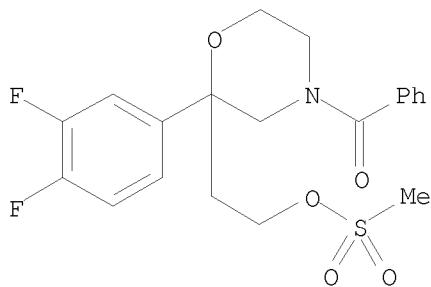
Rotation (-).



RN 181643-56-1 HCAPLUS

CN 2-Morpholineethanol, 4-benzoyl-2-(3,4-difluorophenyl)-, methanesulfonate (ester), (+) - (9CI) (CA INDEX NAME)

Rotation (+).

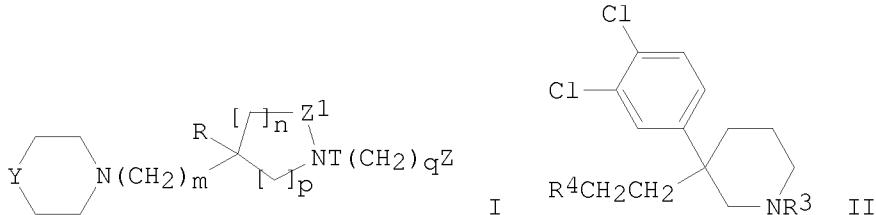


L7 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESION NUMBER: 1993:124405 HCAPLUS  
 DOCUMENT NUMBER: 118:124405  
 ORIGINAL REFERENCE NO.: 118:21561a, 21564a  
 TITLE: Preparation of 1-aralk(ano)yl-3-aryl-3-(piperidinoalkyl)piperidines and analogs as substance P and neurokinin antagonists  
 INVENTOR(S): Goulaouic, Pierre; Emonds-Alt, Xavier; Gueule, Patrick; Proietto, Vincenzo  
 PATENT ASSIGNEE(S): Elf Sanofi SA, Fr.  
 SOURCE: Eur. Pat. Appl., 75 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| EP 512901   | A1   | 19921111 | EP 1992-401235  | 19920430 |
| EP 512901   | B1   | 19990623 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE |      |          |                 |          |
| FR 2676055  | A1   | 19921106 | FR 1991-5487    | 19910503 |
| FR 2676055  | B1   | 19930903 |                 |          |
| NO 9201734  | A    | 19921104 | NO 1992-1734    | 19920430 |
| NO 178573   | B    | 19960115 |                 |          |
| NO 178573   | C    | 19960424 |                 |          |
| ZA 9203178  | A    | 19930127 | ZA 1992-3178    | 19920430 |
| HU 61539  | A2   | 19930128 | HU 1992-1458    | 19920430 |
| HU 220598   | B1   | 20020328 |                 |          |
| RU 2083574  | C1   | 19970710 | RU 1992-5011707 | 19920430 |
| FI 101299   | B    | 19980529 | FI 1992-1951    | 19920430 |
| FI 101299   | B1   | 19980529 |                 |          |
| AT 181550   | T    | 19990715 | AT 1992-401235  | 19920430 |
| CZ 285409   | B6   | 19990811 | CZ 1992-1329    | 19920430 |
| ES 2137176  | T3   | 19991216 | ES 1992-401235  | 19920430 |
| CA 2067877  | A1   | 19921104 | CA 1992-2067877 | 19920501 |
| CA 2067877  | C    | 20020212 |                 |          |
| AU 9215916  | A    | 19921105 | AU 1992-15916   | 19920501 |
| AU 652046   | B2   | 19940811 |                 |          |
| IL 101760   | A    | 19970218 | IL 1992-101760  | 19920501 |
| IL 117921   | A    | 19970218 | IL 1992-117921  | 19920501 |
| BR 9201656  | A    | 19921215 | BR 1992-1656    | 19920504 |

|                        |    |          |                |             |
|------------------------|----|----------|----------------|-------------|
| US 5340822             | A  | 19940823 | US 1992-878710 | 19920504    |
| JP 05186425            | A  | 19930727 | JP 1992-113820 | 19920506    |
| JP 3242980             | B2 | 20011225 |                |             |
| US 5770735             | A  | 19980623 | US 1994-261269 | 19940615    |
| FI 9501242             | A  | 19950316 | FI 1995-1242   | 19950316    |
| FI 101298              | B  | 19980529 |                |             |
| FI 101298              | B1 | 19980529 |                |             |
| FI 9501243             | A  | 19950316 | FI 1995-1243   | 19950316    |
| FI 114635              | B1 | 20041130 |                |             |
| US 5625060             | A  | 19970429 | US 1995-463270 | 19950605    |
| HK 1005138             | A1 | 20000512 | HK 1998-104344 | 19980519    |
| PRIORITY APPLN. INFO.: |    |          | FR 1991-5487   | A 19910503  |
|                        |    |          | FI 1992-1951   | A 19920430  |
|                        |    |          | IL 1992-101760 | A3 19920501 |
|                        |    |          | US 1992-878710 | A3 19920504 |
|                        |    |          | US 1994-261269 | A3 19940615 |

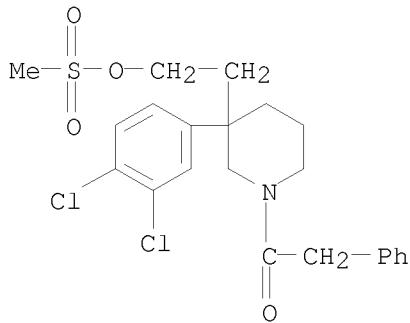
OTHER SOURCE(S): MARPAT 118:124405  
GI



AB Title compds. [I; R = Ph, (benzo)thienyl, naphthyl, indolyl, etc.; T, Z1 = CO, CH2; Y = NR1, CX(CH2)xR2; R1 = Ph, PhCH2, cycloalkyl(methyl), pyridyl(methyl), etc.; R2 = Ph, pyridyl, thienyl; X = H, OH, alkoxy, acyloxy, CO2H, etc.; Z = Ph, naphthyl, pyridyl, thienyl, etc.; n, q = 0-3; p = 1, 2; x = 0, 1] were prepared. Thus, 3,4-C12C6H3CH2CN was condensed with 2-(2-bromoethoxy)tetrahydropyran and the product condensed with BrCH2CH2CO2Et to give, after cyclization and reduction, piperidine II (R3 = H, R4 = tetrahydropyranyl) which was N-acetylated with PhCH2CO2H and the product converted to II (R3 = COCH2Ph) (III; R4 = OSO2Me). The latter was condensed with 4-benzylpiperidine to give III (R4 = 4-benzylpiperidino) which had Ki of 8.3 nM for antagonism of substance P binding in vitro.

IT 146395-83-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reaction of, in preparation of neurokinin and substance P antagonists)

RN 146395-83-7 HCPLUS  
CN Ethanone, 1-[3-(3,4-dichlorophenyl)-3-[2-[(methylsulfonyl)oxy]ethyl]-1-piperidinyl]-2-phenyl- (CA INDEX NAME)



=> FILE REGISTRY  
COST IN U.S. DOLLARS

|                     | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|---------------|
| FULL ESTIMATED COST | 75.81            | 434.12        |

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

|                     | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|---------------|
| CA SUBSCRIBER PRICE | -5.60            | -5.60         |

FILE 'REGISTRY' ENTERED AT 10:35:17 ON 29 OCT 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 OCT 2008 HIGHEST RN 1067631-14-4  
DICTIONARY FILE UPDATES: 28 OCT 2008 HIGHEST RN 1067631-14-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

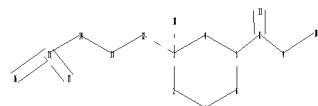
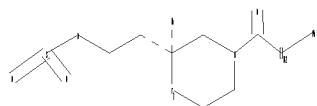
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10590404b.str

10590404



chain nodes :

8 9 10 11 12 13 14 15 16 17 18

ring nodes :

1 2 3 4 5 6

chain bonds :

3-12 3-18 5-8 8-9 8-11 9-10 12-13 13-14 14-15 15-17 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 3-12 3-18 4-5 5-6 5-8 8-9 8-11 9-10 12-13 13-14 14-15  
15-17 15-16

isolated ring systems :

containing 1 :

G1:O,CH2

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS

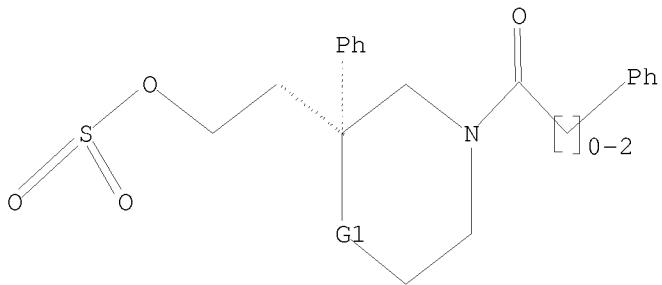
L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR

10590404



G1 O,CH2

Structure attributes must be viewed using STN Express query preparation.

=> s 18  
SAMPLE SEARCH INITIATED 10:35:40 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 5 TO 234  
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

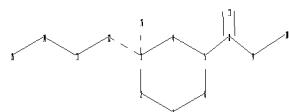
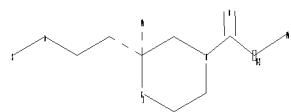
=> s 18 sss full  
FULL SEARCH INITIATED 10:35:46 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 89 TO ITERATE

100.0% PROCESSED 89 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L10 0 SEA SSS FUL L8

=>  
Uploading C:\Program Files\Stnexp\Queries\10590404c.str

10590404



chain nodes :

8 9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6

chain bonds :

3-12 3-16 5-8 8-9 8-11 9-10 12-13 13-14 14-15

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 3-12 3-16 4-5 5-6 5-8 8-9 8-11 9-10 12-13 13-14 14-15

isolated ring systems :

containing 1 :

G1:O,CH2

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

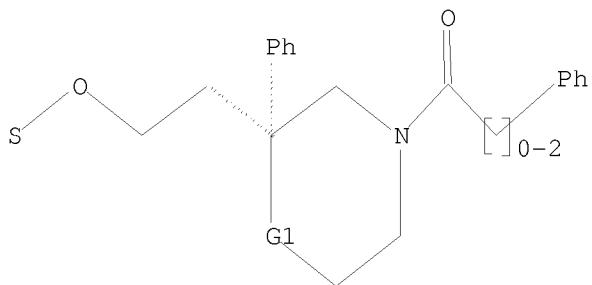
L11 STRUCTURE UPLOADED

=> d 111

L11 HAS NO ANSWERS

L11 STR

10590404



G1 O,CH2

Structure attributes must be viewed using STN Express query preparation.

=> s 111  
SAMPLE SEARCH INITIATED 10:36:56 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 5 TO 234  
PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

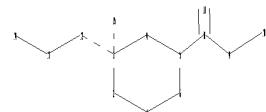
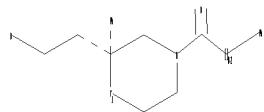
=> s 111 sss full  
FULL SEARCH INITIATED 10:37:13 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 89 TO ITERATE

100.0% PROCESSED 89 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L13 0 SEA SSS FUL L11

=>  
Uploading C:\Program Files\Stnexp\Queries\10590404x.str

10590404



chain nodes :

8 9 10 11 12 13 14 15

ring nodes :

1 2 3 4 5 6

chain bonds :

3-12 3-15 5-8 8-9 8-11 9-10 12-13 13-14

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 3-12 3-15 4-5 5-6 5-8 8-9 8-11 9-10 12-13 13-14

isolated ring systems :

containing 1 :

G1:O,CH2

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS

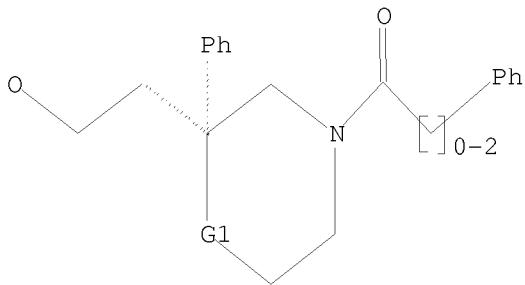
L14 STRUCTURE UPLOADED

=> d 114

L14 HAS NO ANSWERS

L14 STR

10590404



G1 O,CH2

Structure attributes must be viewed using STN Express query preparation.

=>

s 114  
SAMPLE SEARCH INITIATED 10:38:21 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 44 TO 476  
PROJECTED ANSWERS: 0 TO 0

L15 0 SEA SSS SAM L14

=> s 114 sss full  
FULL SEARCH INITIATED 10:38:28 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 269 TO ITERATE

100.0% PROCESSED 269 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L16 0 SEA SSS FUL L14

=> log y  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 536.46 970.58  
  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL  
ENTRY SESSION  
CA SUBSCRIBER PRICE 0.00 -5.60

STN INTERNATIONAL LOGOFF AT 10:38:55 ON 29 OCT 2008